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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/815,058

03/31/2004

Stephen Wu

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EXAMINER

PHU, SANH D

ART UNIT

PAPER NUMBER

2618

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

04/11/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/815,058

Applicant(s)

WU, STEPHEN

Examiner

Sanh D. Phu

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections – 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1–21 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01.

Claim 1 omits structural cooperative relationships of elements “traces” to one another and to input/output of the “integrated circuit radio frequency transceiver” in order to make the “integrated circuit radio frequency transceiver” as a complete operative and connective device.

Claim 1 omits structural cooperative relationships of element “resistor” with the “resistive block” within the “resistive block”. Such omission renders the claim unclear on how the “resistor” is connectively formed within the “resistive block”, or on whether the input of the “resistor” is coupled to the input or the

output of the “resistive block” or whether the output of the “resistor” is coupled to the input or the output of the “resistive block”.

Claim 9 omits structural cooperative relationships of elements “traces” to one another and to input/output of the “integrated circuit radio frequency transceiver” in order to make the “integrated circuit radio frequency transceiver” as a complete operative and connective device.

Claim 9 omits structural cooperative relationships of elements “resistors” with the “resistive block” within the “resistive block”. Such omission renders the claim unclear on whether the input of each of “resistors” is coupled to the input or the output of the “resistive block” or whether the output of each of the “resistors” is coupled to the input or the output of the “resistive block”.

Claim 15 omits structural cooperative relationships of elements “traces” to one another and to input/output of the “integrated circuit radio frequency transceiver” in order to make the “integrated circuit radio frequency transceiver” as a complete operative and connective device.

Claim 15 omits structural cooperative relationships of elements “resistors” with the “resistive block” within the “resistive block”. Such omission

renders the claim unclear on whether the input of each of “resistors” is coupled to the input or the output of the “resistive block” or whether the output of each of the “resistors” is coupled to the input or the output of the “resistive block”.

Claim 20 omits structural cooperative relationships of elements “traces” to one another and to input/output of the “integrated circuit radio frequency transceiver” in order to make the “integrated circuit radio frequency transceiver” as a complete operative and connective device.

Claim 20 omits structural cooperative relationships of elements “resistors” with the “resistive block” within the “resistive block”. Such omission renders the claim unclear on whether the input of each of “resistors” is coupled to the input or the output of the “resistive block” or whether the output of each of the “resistors” is coupled to the input or the output of the “resistive block”.

Claim 21 omits structural cooperative relationships of elements “traces” to one another and to input/output of the “integrated circuit radio frequency transceiver” in order to make the “integrated circuit radio frequency transceiver” as a complete operative and connective device.

Claim 21 omits structural cooperative relationships of elements “resistors” with the “resistive block” within the “resistive block”. Such omission renders the claim unclear on whether the input of each of “resistors” is coupled to the input or the output of the “resistive block” or whether the output of each of the “resistors” is coupled to the input or the output of the “resistive block”.

Claims, (if any) depended on above claims, are therefore also rejected.

Allowable Subject Matter

3. Claims 1–21 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Conclusion

4. References 6172954, 5894499, 4142158, 6111606 and 6335656 are cited because they are pertinent to the claimed method and associated system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D. Phu whose telephone number is (571)272–7857. The examiner can normally be reached on M–Th from 7:00–17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571) 272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SANH D. PHU
PATENT EXAMINER

Sanh D. Phu
Examiner
Division 2618

3/26/07

